

<b>RTIP ID#</b> <i>(required)</i> IMPLS30/ SCAG015					
<b>TCWG Consideration Date</b>					
<b>Project Description</b> <i>(clearly describe project)</i> The project proposes improvements that will involve installation of new traffic signals and intersection improvements along the SR-86 and Neckel Road intersection. The proposed project is comprised of a preliminary engineering phase and construction phase. The preliminary engineering phase will include the following work: engineering design work, environmental review, and encroachment permit process. The construction phase proposes the following scope of work: installation of traffic signals and intersection roadway improvements consisting of pavement resurfacing with curb and/or curb & gutter with ADA ramps.					
<b>Type of Project</b> <i>(use Table 1 on instruction sheet)</i> Intersection signalization					
<b>County</b> Imperial	<b>Narrative Location/Route &amp; Postmiles</b> Intersection of Neckel Road and State Route 86 Caltrans Projects – EA# : <b>EA#1112000025L / STPL-5134013</b>				
<b>Lead Agency:</b> Caltrans District 11					
<b>Contact Person</b> Ilene Gallo	<b>Phone#</b> (619) 688-6460	<b>Fax#</b> (619) 688-4299	<b>Email</b> Ilene_Gallo@dot.ca.gov		
<b>Hot Spot Pollutant of Concern</b> <i>(check one or both)</i> <b>PM2.5</b> <b>PM10 X</b>					
<b>Federal Action for which Project-Level PM Conformity is Needed</b> <i>(check appropriate box)</i>					
<b>X</b>	<b>Categorical Exclusion (NEPA)</b>	<b>EA or Draft EIS</b>	<b>FONSI or Final EIS</b>	<b>PS&amp;E or Construction</b>	<b>Other</b>
<b>Scheduled Date of Federal Action:</b> October 2008					
<b>NEPA Delegation – Project Type</b> <i>(check appropriate box)</i>					
<b>X</b>	<b>Exempt</b>	<b>Section 6004 – Categorical Exemption</b>		<b>Section 6005 – Non-Categorical Exemption</b>	
<b>Current Programming Dates</b> <i>(as appropriate)</i>					
	<b>PE/Environmental</b>	<b>ENG</b>	<b>ROW</b>	<b>CON</b>	
<b>Start</b>	01-11	01-11	01-13	01-13	
<b>End</b>	01-12	01-12	01-14	01-14	

**Project Purpose and Need (Summary):** *(attach additional sheets as necessary)*

The purpose of the project is to improve traffic safety along State Route 86 at the intersection of Neckel Road by installation of a traffic signal at the intersection.

**Surrounding Land Use/Traffic Generators** *(especially effect on diesel traffic)*

Land uses in the immediate vicinity of the intersection of Neckel Road and State Route 86 currently include residential development on the east side of State Route 86, and scattered single-family residences on the west side of State Route 86, as well as agricultural uses on the west side of State Route 86. Several projects are proposed in the project vicinity, including a Holiday Inn, which would be constructed on the northwest corner of the intersection.

**Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility** (Derived from Revised Traffic Study, Sunset Ranch Subdivision (Darnell and Associates 2004) , assuming a 1% growth rate).

2013 No Build, Neckel Road, LOS = F (am), D (pm), AADT = 5,073, 6% trucks, Truck ADT = 304

2013 Build, Neckel Road, LOS = A (am), A (pm), AADT = 5,073, 6% trucks, Truck ADT = 304

**RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility** (Derived from Revised Traffic Study, Sunset Ranch Subdivision (Darnell and Associates 2004) , assuming a 1% growth rate).

2035 No Build, Neckel Road, LOS = F (am), F (pm), AADT = 7,480, 5.4% trucks, Truck ADT = 404

2035 Build, Neckel Road, LOS = D (am), A (pm), AADT = 7,480, 5.4% trucks, Truck ADT = 404

**Opening Year:** If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT (Derived from Revised Traffic Study, Sunset Ranch Subdivision (Darnell and Associates 2004), assuming a 1% growth rate).

2013 No Build, SR 86, AADT = 27,204, 6% trucks, Truck ADT = 1,632

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**RTP Horizon Year / Design Year:** If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT (Derived from Revised Traffic Study, Sunset Ranch Subdivision (Darnell and Associates 2004)), assuming a 1% growth rate).

2035 No Build, SR 86, AADT = 36,419, 5.4% trucks, Truck ADT = 1,967

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**Describe potential traffic redistribution effects of congestion relief** (*impact on other facilities*)  
See attached

**Comments/Explanation/Details** (*attach additional sheets as necessary*)  
See attached

## PM10/PM2.5 Analysis

The proposed project is located in Imperial County, a nonattainment area for the federal PM2.5 and PM10 standards. The Environmental Protection Agency (EPA) defines five types of projects that are considered to be Projects of Air Quality Concern (POAQC). A PM hot spot analysis is required for a POAQC that is located in a nonattainment or maintenance area for the federal PM10 or PM2.5 standard. Table 1 provides a comparison of the proposed project with the EPA's definition of a POAQC.

**Table 1. Comparison of Neckel Road/SR-86 Signalization Project with EPA Definitions of POAQC**

<b>EPA Definition of POAQC</b>	<b>Proposed Project</b>
New or expanded highway projects that have a significant number of or significant increase in diesel vehicles (defined as greater than 125,000 Annual Average Daily Traffic (AADT) and 8% or more of such AADT is diesel truck traffic)	The proposed project is not a new or expanded highway project. The proposed project is an intersection signalization project that would not increase the capacity of Neckel Road or SR-86. This type of project improves intersection operations and safety by reducing traffic congestion and improving turning movements. The proposed project would not increase traffic volumes and would not exceed the 125,000 average daily traffic trips threshold for a POAQC. The truck percentage in the project area would be no more than 6% based on EMFAC2011 data for Imperial County.
Projects affecting intersections that are at a Level of Service D, E, F, with a significant number of diesel vehicles, or that will change to a Level of Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.	The proposed project does not affect intersections that are at LOS D, E, or F with a significant number of diesel vehicles. The purpose of the project is to improve traffic turning movements at the intersection of Neckel Road and SR-86 by installing a new traffic signal. Table 2 presents the intersection operation analysis that was obtained from a traffic report prepared by Advantec Consulting Engineers (Advantec 2010) for a project in the vicinity of the intersection. As shown in Table 2, the intersection of Neckel Road and SR-86 would operate at LOS F without the proposed project, but the proposed project would improve intersection operations to LOS A in the opening year scenario, and to LOS D (am) and A (pm) in the RTP Horizon Year scenario.
New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.	The proposed project is not a new bus and rail terminal and transfer point project.
Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location.	The proposed project is not an expanded bus and rail terminal and transfer point project.
Projects in or affecting locations, areas, or categories of sites which are identified in the PM2.5 or PM10 implementation plan or implementation plan submission, as appropriate, as sites of possible violation.	The Imperial County APCD has identified windblown fugitive dust from open areas, agricultural fields, and unpaved roads as the main sources of the exceedances of the PM <sub>10</sub> standards; thus violations are not attributable to traffic and paved roads in developed areas would not affect a location or category of site that would contribute to violations of the PM <sub>10</sub> standard. PM <sub>2.5</sub> exceedances of the CAAQS are identified in the Calexico area only. The project is therefore not in or affecting a location, area, or category of sites which are identified in the applicable implementation plan as sites of possible violation.

**Table 2. Intersection Operation Analysis Results<sup>1</sup>**

Intersection	Peak	Without Signal		With Signal		Impact?
		Delay (s)	LOS	Delay (s)	LOS	
Neckel Rd. and SR-86 – Opening Day (2013)	AM	22.6	F	5.5	A	No
	PM	31.9	D	5.3	A	No
Neckel Rd. and SR-86 – RTP Horizon (2035)	AM	N/A <sup>2</sup>	F	53.5	D	No
	PM	N/A <sup>2</sup>	F	7.7	A	No

<sup>1</sup>From ADVANTEC Consulting Engineers, 2010. *Holiday Inn Hotel Traffic Impact Study*. September 2.

<sup>2</sup>Delay not calculated

The comparison of the proposed project with EPA's definition of a POAQC shows that the proposed project is not a POAQC, therefore a PM hot-spot analysis is not required.

Figure 1. Neckel Road and State Route 86, City of Imperial Vicinity Map

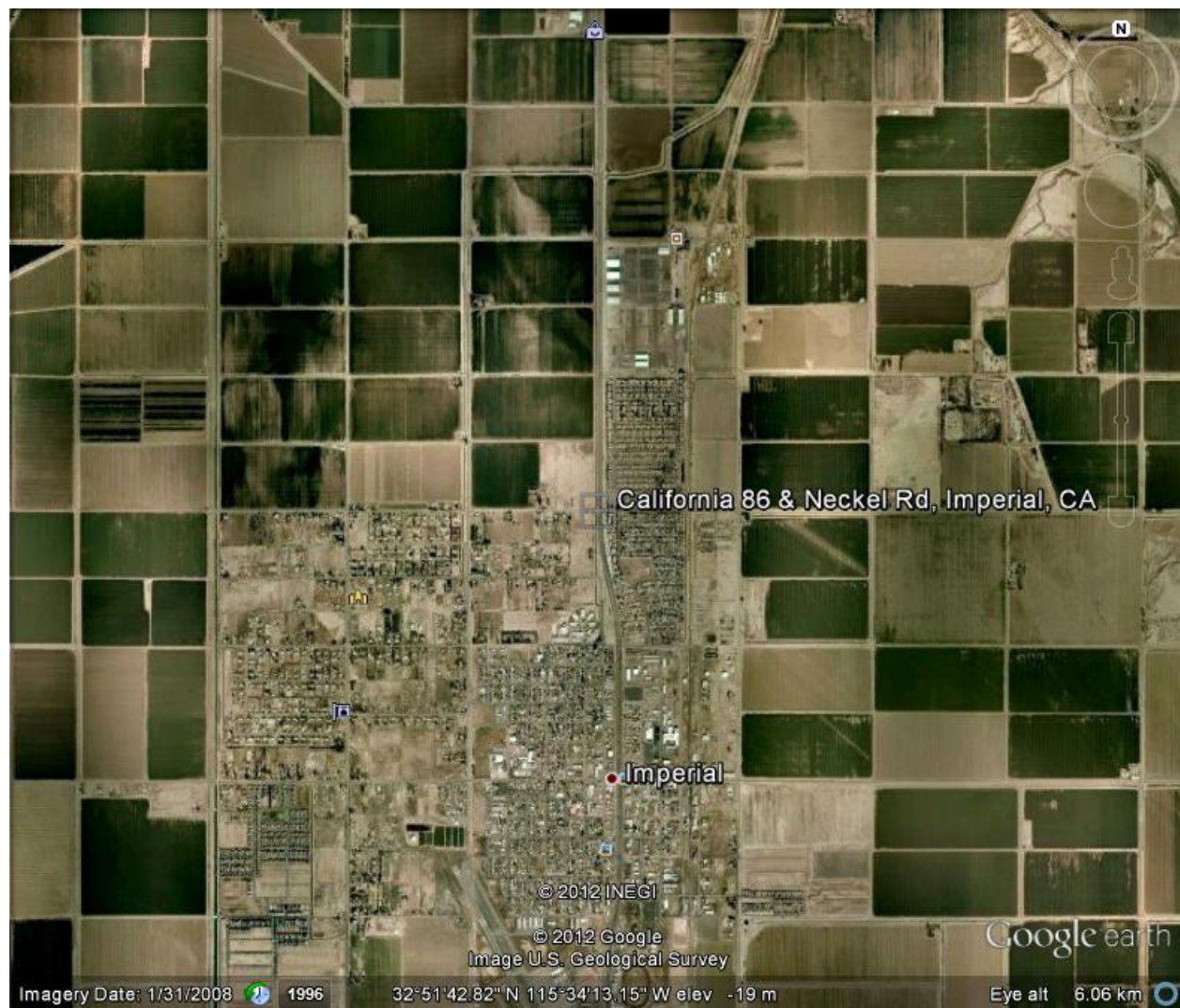
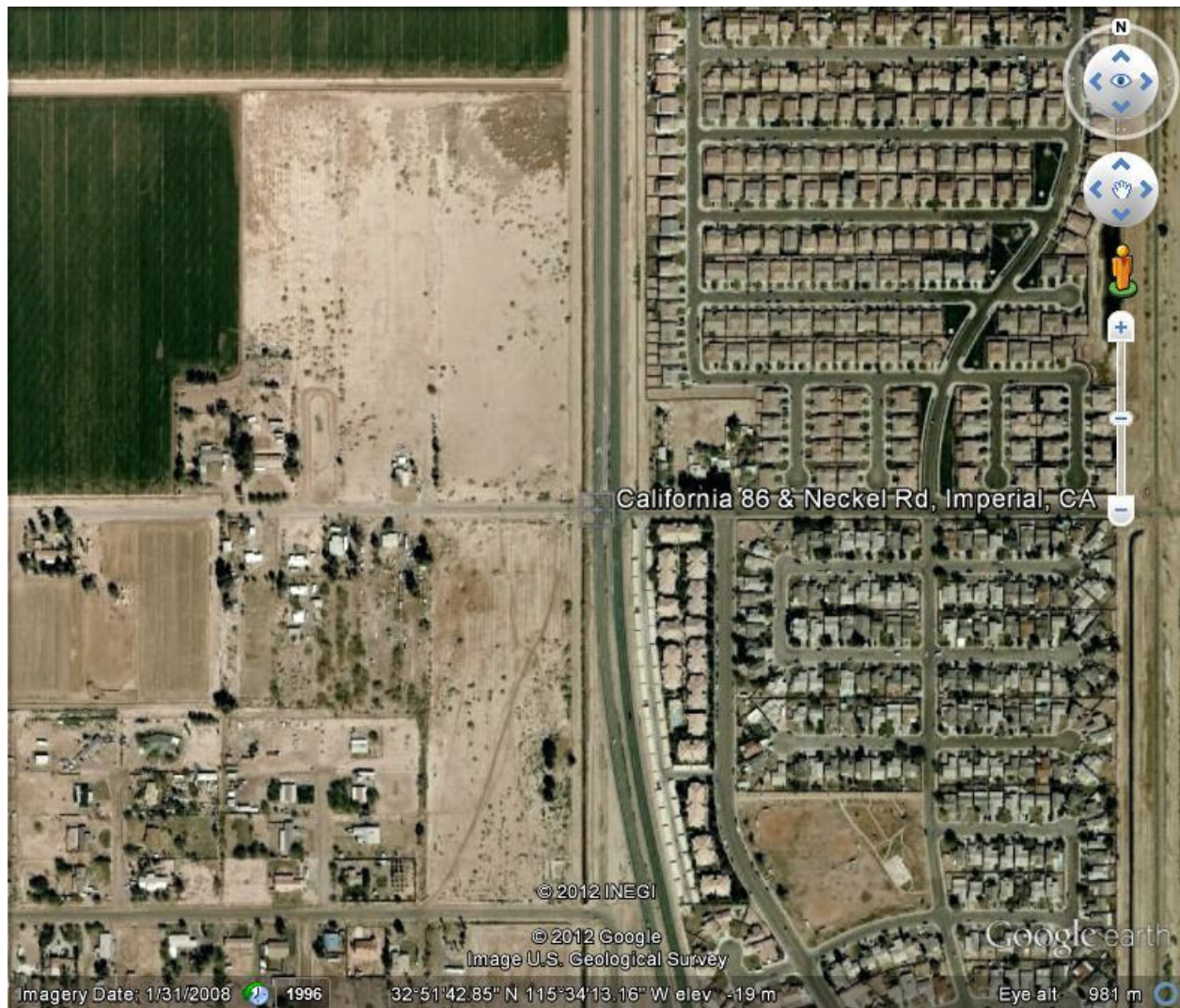




Figure 2. Neckel Road and State Route 86, Intersection Location

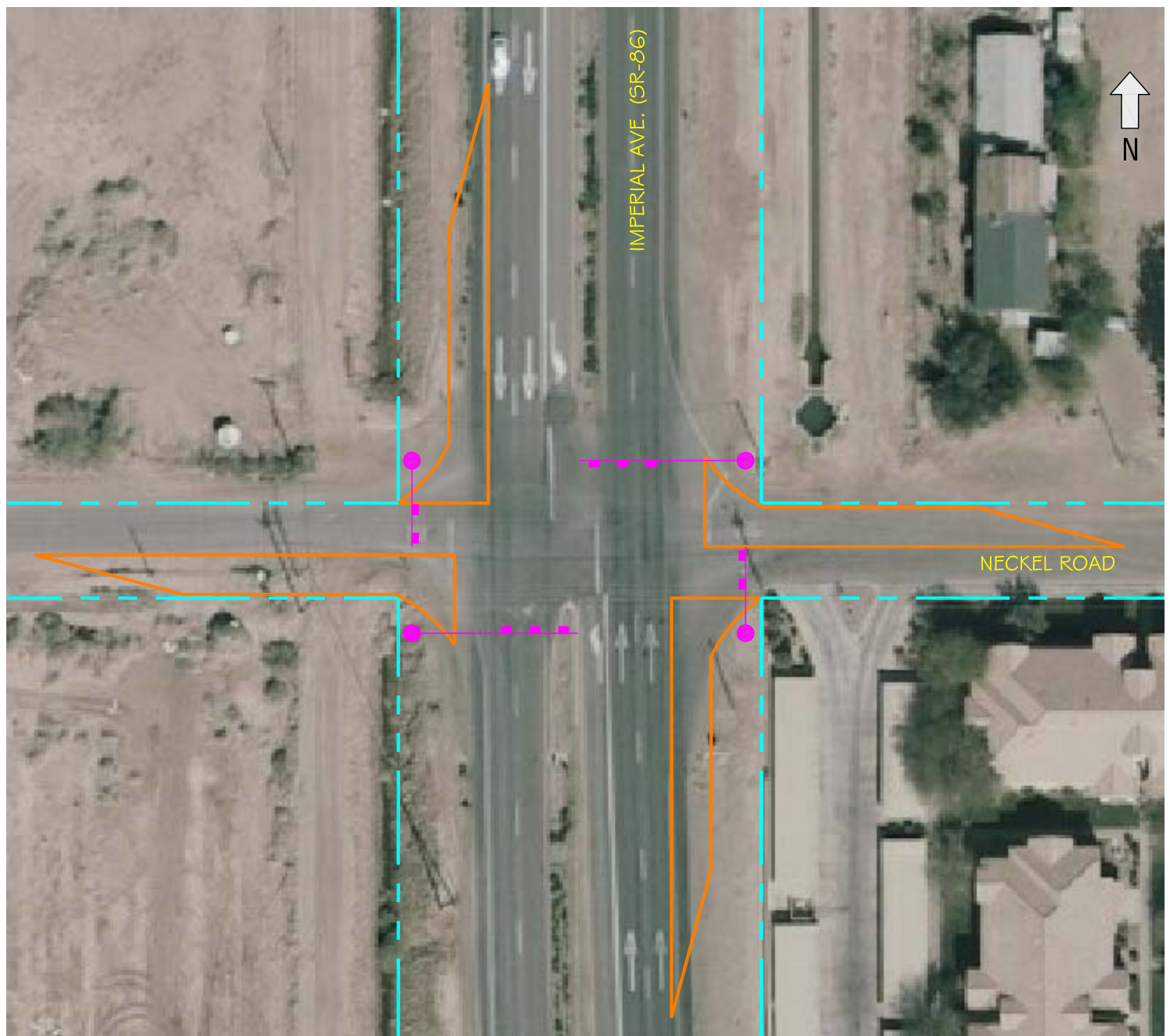


References:

Advantec Consulting Engineers. 2010. *Holiday Inn Hotel – Traffic Impact Study, Draft Report*. September 2.

Darnell and Associates. 2004. *Revised Traffic Study for Sunset Ranch Subdivision*. March 23.





## PROJECT SITE - PROPOSED IMPROVEMENTS

### LEGEND

1) EXISTING RIGHT OF WAY ---

### PROPOSED IMPROVEMENTS

1) NEW (4) RIGHT LANES ---

2) NEW (4) TRAFFIC SIGNAL LIGHTS ●---

### **ProTerra**

Engineering & Surveying

444 South 8th Street / Suite D

El Centro, CA 92243

(760) 352-6968 Off (760) 352-6069 Fax

(760) 235-5185 Cell

e-mail: jcarlos.romero@proterra-us.com

**DRAWING DESCRIPTION:** PROJECT SITE - PROPOSED IMPROVEMENTS

**HSIP PROJECT DESCRIPTION:** NEW TRAFFIC SIGNAL LIGHT & INTERSECTION IMPROVEMENTS ON NECKEL ROAD & SR-86 INTERSECTION

**CLIENT:** CITY OF IMPERIAL

**ADDRESS:** 420 South Imperial Avenue, Imperial CA 92251

**TELEPHONE:** (760) 355-4371, (760) 355-4718 fax

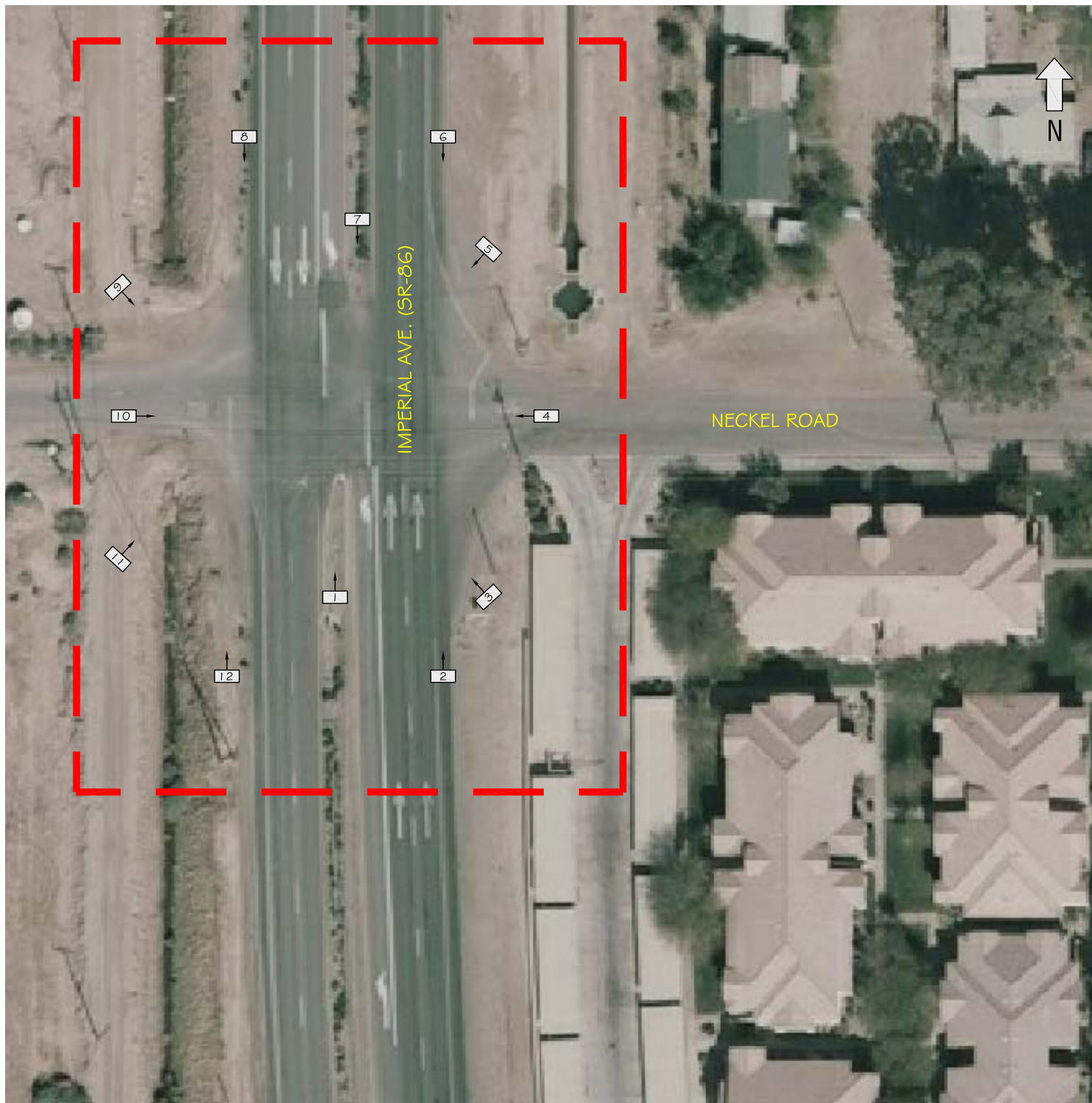
**EXHIBIT 3**

**1/1**

**DRAWN BY:** MD 12/06/10

**LAST REVISED**

**DATE:** MD 12/09/10



# LEGEND



PROJECT AREA



PHOTO NUMBER & LOCATION (SEE SHEET 2/7 TO SHEET 7/7)

**ProTerra**

Engineering & Surveying

444 South 8th Street / Suite D

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(760) 235-5185 Cell

e-mail: jcarlos.romero@proterra-us.com

**DRAWING DESCRIPTION:** PROJECT SITE FIELD PHOTOS

**HSIP PROJECT DESCRIPTION:** NEW TRAFFIC SIGNAL LIGHT & INTERSECTION IMPROVEMENTS ON NECKEL ROAD & SR-86 INTERSECTION  
CITY OF IMPERIAL

**CLIENT:**

**ADDRESS:**

**TELEPHONE:**

420 South Imperial Avenue, Imperial CA 92251

(760) 355-4371, (760) 355-4718 fax

**EXHIBIT 9**

**1/7**

**DRAWN BY:** MD 12/06/10

**LAST REVISED**

**DATE:** MD 12/09/10







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4











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## Final 2011 Federal Transportation Improvement Program

### Various Counties Project Listing

#### Local Highway

Cost in Thousands

ProjectID	County	Air Basin	Model	RTP ID		Program	Route	Begin	End	System	Conformity Category		Amendment	
SCAG014	Various	Various		REG0701		NCNH2				L	EXEMPT - 93.126		0	
Description:								PTC	3,708	Agency	VARIOUS AGENCIES			
GROUPED PROJECTS FOR SAFETY IMPROVEMENTS ON HIGH RISK RURAL ROAD - HRRR PROGRAM - (PROJECTS ARE CONSISTENT WITH 40 CFR PART 93.126 EXEMPT TABLES 2 & 3 CATEGORIES - SAFER NON-FEDERAL-AID SYSTEM ROADS.														
Fund		ENG	R/W	CON	Total	Prior	2010/2011		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	Total
HIGH RISK RURAL ROAD PROGRAM				2,357	2,357	144			1,457	756				2,357
SCAG014 Total				2,357	2,357	144			1,457	756				2,357

ProjectID	County	Air Basin	Model	RTP ID		Program	Route	Begin	End	System	Conformity Category		Amendment	
SCAG015	Various	Various		REG0701		LUM03				L	EXEMPT - 93.126		0	
Description:								PTC	77,419	Agency	VARIOUS AGENCIES			
GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HSIP PROGRAM PROJECTS CONSISTENT WITH 40 CFR PART 93.126.TABLES 2 & 3 CATEGORIES - RAILROAD/HIGHWAY CROSSING, SAFER ONO-FEDERAL-AID SYSTEM ROADS, SHOULDER IMPROVEMENTS, TRAFFIC CONTROL DEVICES & OPERATING ASSISTANCE OTHER THAN SIGNALIZATION PROJECTS, INTERSECTION SIGNALIZATION PROJECTS AT INDIVIDUAL INTERSECNS, PAVEMENT MARKING DEMO														
Fund		ENG	R/W	CON	Total	Prior	2010/2011		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	Total
HIGHWAY SAFETY IMPROVEMENT PROGRAM				55,263	55,263	1,609	14,850		16,425	22,379				55,263
CITY FUNDS				21,318	21,318		3,870		4,040	13,408				21,318
SCAG015 Total				76,581	76,581	1,609	18,720		20,465	35,787				76,581

ProjectID	County	Air Basin	Model	RTP ID		Program	Route	Begin	End	System	Conformity Category		Amendment	
SCAG016	Various	Various		REG0701						L	EXEMPT - 93.126		0	
Description:								PTC	25,828	Agency	VARIOUS AGENCIES			
GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SAFE ROUTES TO SCHOOL PROGRAM (SRTS) PROJECTS CONSISTENT WITH 40 CFR PART 93.126 EXEMPT TABLES 2 AND TABLE 3 CATEGORIES - RAILROAD/HWY CROSSING, SAFER NON-FEDERAL-AID SYSTEM RDS, SHOULDER IMP, TRAFFIC CONTROL DEVICES , INTERSECTIPN SIGNALIZATION & INDIVIDUAL INTERSECTIONS, PAVEMT MARKING DEMO.														
Fund		ENG	R/W	CON	Total	Prior	2010/2011		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	Total
SAFE ROUTE TO SCHOOLS				25,828	25,828	586	5,618		13,268	6,356				25,828
SCAG016 Total				25,828	25,828	586	5,618		13,268	6,356				25,828
Grand Total				104,766	104,766	2,339	24,338		35,190	42,899				104,766

<b>2011 FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM</b> <b>Various Counties</b> <b>Administrative Modification #11-09</b> <b>June 2011</b> <i>(in \$000's)</i>					
Agency	Project ID	Title	Changes Requested	Amendment Reason	
<b>Local Highways</b>					
Various Agencies	SCAG015	GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HSIP PROGRAM PROJECTS CONSISTENT WITH 40 CFR PART 93.126.TABLES 2 & 3 CATEGORIES - ...	Cost Decrease HSIP Funds ► Decrease HSIP in FY 10/11 from \$14,219 to \$13,149 ► Decrease HSIP in FY 11/12 from \$33,565 to \$26,799 ► Decrease HSIP in FY 12/13 from \$29,066 to \$26,999 ► Decrease HSIP in FY 13/14 from \$12,214 to \$12,070  City Funds ► Increase City funds in FY10/11 from \$2,813 to \$2,860 ► Decrease city funds in FY 11/12 from \$7,162 to \$6,206 ► Decrease City funds in FY 12/13 from \$14,365 to \$14,226 ► Increase City funds in FY 13/14 from \$4,262 to \$5,192  Total Project Cost increased from \$118,983 TO \$110,158.	UPDATED CONSISTENT WITH CALTRANS REQUEST TO UPDATE PER REVISED 5/31/2011 LISTINGS.	
Various Agencies	SCAG016	GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SAFE ROUTES TO SCHOOL PROGRAM (SRTS) PROJECTS CONSISTENT WITH 40 CFR PART 93.126.TABLES 2 & 3 CATEGORIES - ...	Cost Decrease HSIP Funds ► Decrease SRTS in FY 10/11 from \$5,960 to \$5,411 ► Decrease SRTS in FY 11/12 from \$13,268 to \$9,678 ► Decrease SRTS in FY 12/13 from \$6,356 to \$5,560  Agency Funds ► Add agency funds in FY11/12 of \$1,329 ► Add agency funds in FY12/13 of \$ 652  Total Project Cost decreased from \$26,170 to \$23,549.	UPDATED CONSISTENT WITH CALTRANS REQUEST TO UPDATE PER REVISED 5/31/2011 LISTINGS.	



## 2011 Federal Transportation Improvement Program

Administrative Modification #11-09

Various Counties

Local Highways

Project Listing Report

Cost in Thousands

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment		
SCAG015	Various	Various		REG0701	LUM03		PTC	120,985	L	EXEMPT - 93.126	9		
Description:													
GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - HSIP PROGRAM PROJECTS CONSISTENT WITH 40 CFR PART 93.126 TABLES 2 & 3 CATEGORIES - RAILROAD/HIGHWAY CROSSING, SAFER ONO-FEDERAL-AID SYSTEM ROADS, SHOULDER IMPROVEMENTS, TRAFFIC CONTROL DEVICES & OPERATING ASSISTANCE OTHER THAN SIGNALIZATION PROJECTS, INTERSECTION SIGNALIZATION PROJECTS AT INDIVIDUAL INTERSECTIONS, PAVEMENT MARKING DEMO													
Fund		ENG	R/W	CON	Total	Prior	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	Total
				81,161	81,161	2,144	13,149	26,799	26,999	12,070			81,161
				28,997	28,997		3,373	6,206	14,226	5,192			28,997
				110,158	110,158	2,144	16,522	33,005	41,225	17,262			110,158
SCAG015 Total													
ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment		
SCAG016	Various	Various		REG0701			PTC	26,170	L	EXEMPT - 93.126	9		
Description:													
GROUPED PROJECTS FOR SAFETY IMPROVEMENTS - SAFE ROUTES TO SCHOOL PROGRAM (SRTS) PROJECTS CONSISTENT WITH 40 CFR PART 93.126 EXEMPT TABLES 2 AND TABLE 3 CATEGORIES - RAILROAD/HWY CROSSING, SAFER NON-FEDERAL-AID SYSTEM RDS, SHOULDER IMP, TRAFFIC CONTROL DEVICES, INTERSECTION SIGNALIZATION & INDIVIDUAL INTERSECTIONS, PAVEMENT MARKING DEMO													
Fund		ENG	R/W	CON	Total	Prior	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	Total
				21,568	21,568	919	5,411	9,678	5,560				21,568
			1,981		1,981			1,329	652				1,981
			1,981	21,568	23,549	919	5,411	11,007	6,212				23,549
SCAG016 Total													
			1,981	131,726	133,707	3,063	21,933	44,012	47,437	17,262			133,707
Grand Total													